

**TRANSMITTAL OF FORMAL DRAWINGS**Docket No.  
LYNN/0020  
*27*

In Re Application Of: Alan J. Cisar and Oliver J. Murphy

Serial No.	Filing Date	Batch No.	Examiner	Art Unit
08/787,271	01/24/97	M91	Maples, J.	1745

Invention: Bipolar Plates for Electrochemical Cell Stacks



Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Transmitted herewith are:

**Eight** sheets of formal drawing(s) for this application.Each sheet of drawing indicates the identifying indicia suggested in 37 CFR Section 1.84(c)  
on the reverse side of the drawing.

A handwritten signature in black ink that reads "Jeffrey L. Streets".

Signature

Jeffrey L. Streets

Dated:

7-7-2000

I certify that this document and attached formal drawings  
are being deposited on July 07, 2000 with the  
U.S. Postal Service as first class mail under 37 C.F.R. 1.8  
and addressed to the Assistant Commissioner for Patents,  
Washington, D.C. 20231.

A handwritten signature in black ink that reads "Mary Baker".

Signature of Person Mailing Correspondence

Mary Baker

Typed or Printed Name of Person Mailing Correspondence

APPROVED  
 BY  
 CLERK  
 FTSMAN  
 O.G. FIG. 4,5,6  
 CROSS SUBCLASS  
 429 34

6146780

FIG. 1

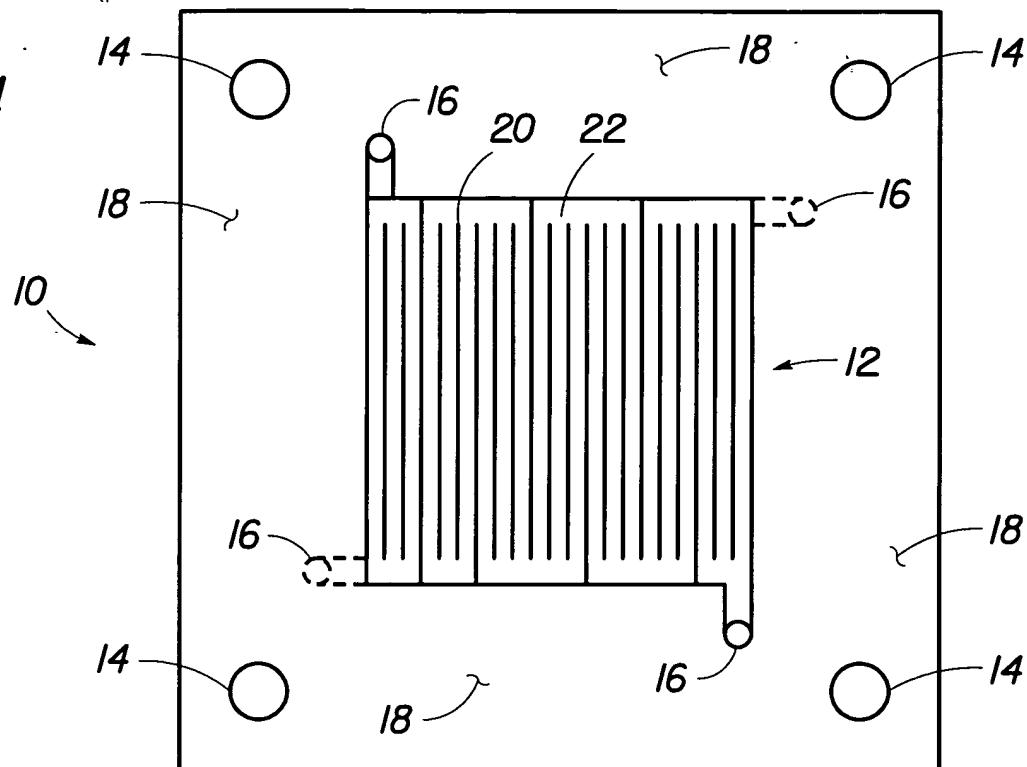
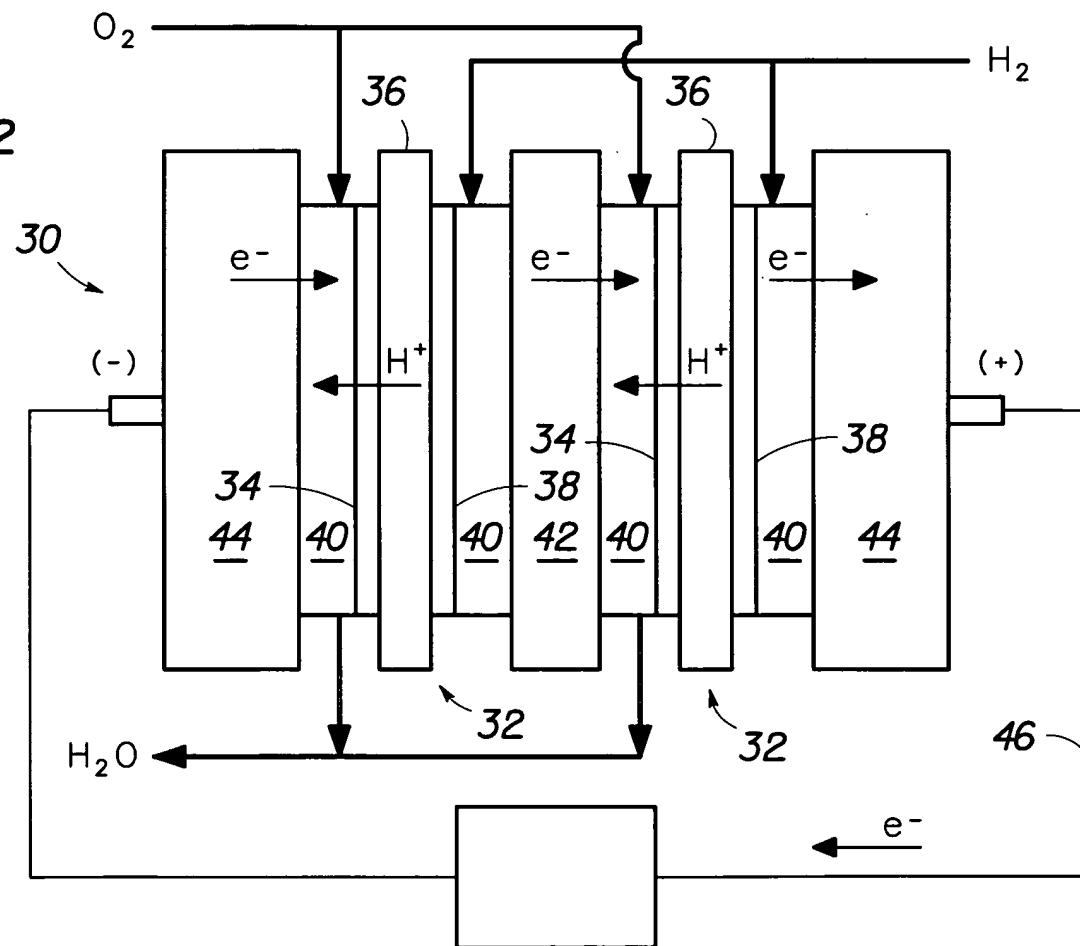
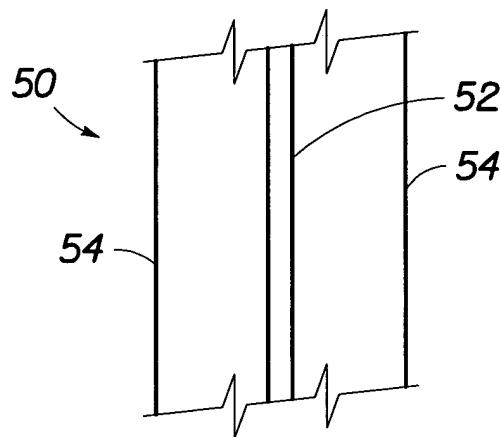
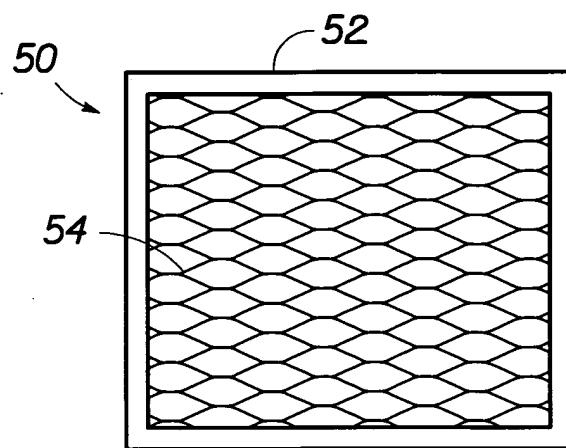


FIG. 2

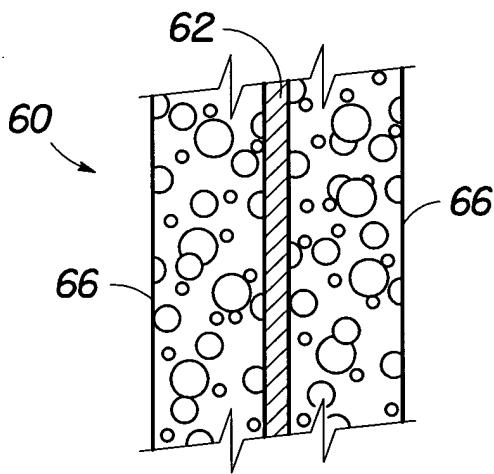




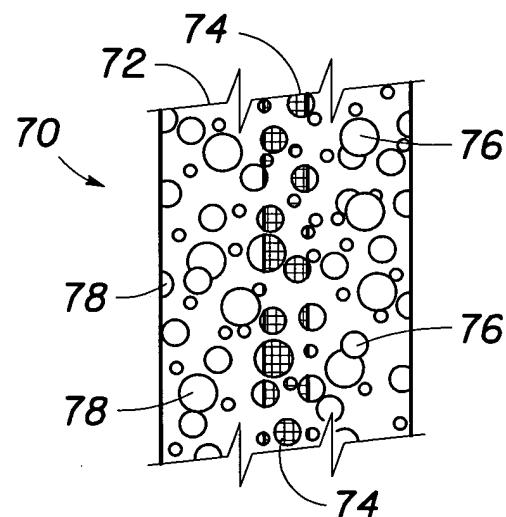
**FIG. 3A**



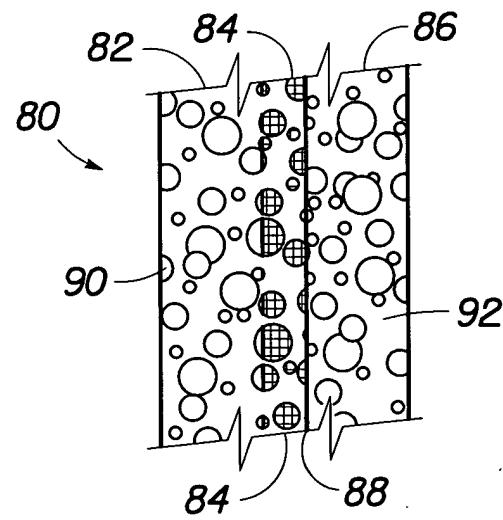
**FIG. 3B**



**FIG. 4**



**FIG. 5**



**FIG. 6**

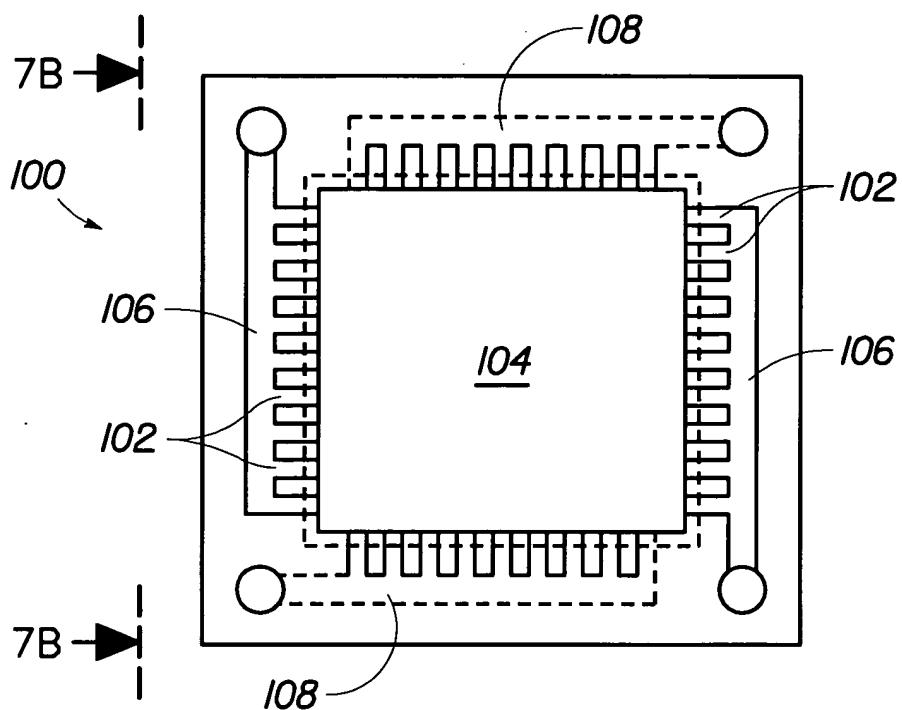


FIG. 7A



FIG. 7B

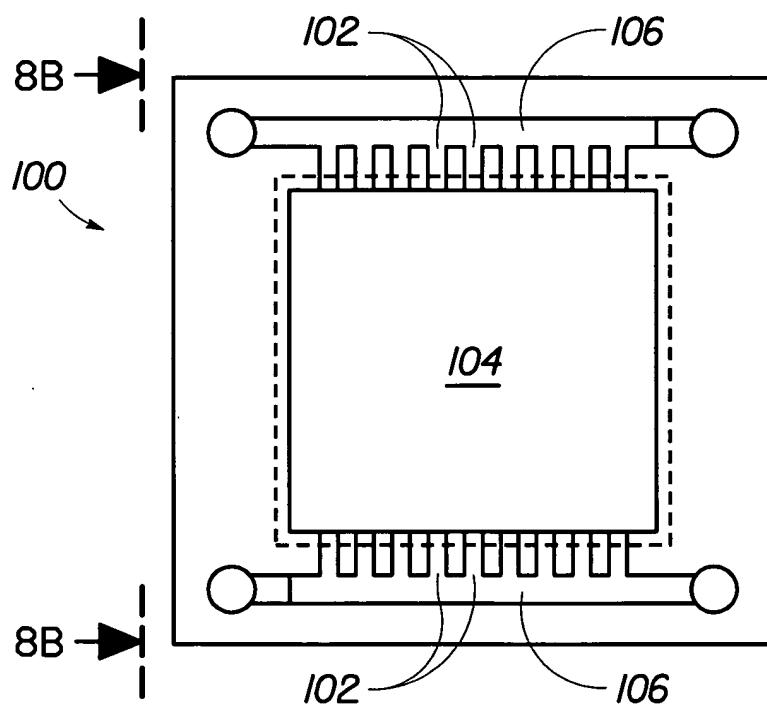


FIG. 8A

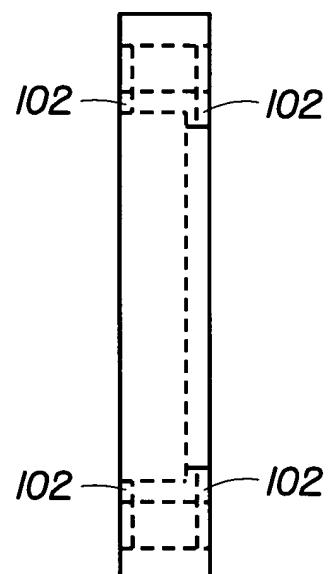


FIG. 8B



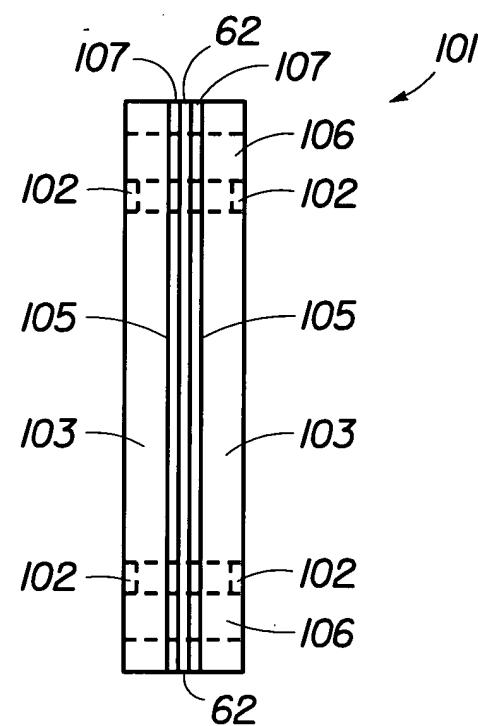
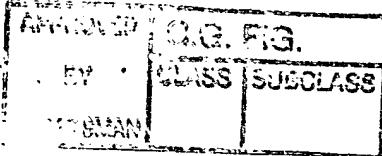


FIG. 9

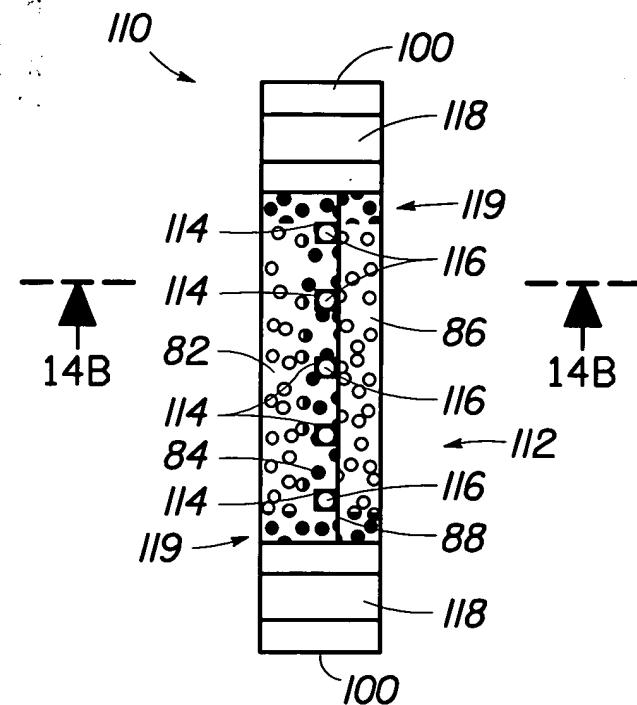


FIG. 14A

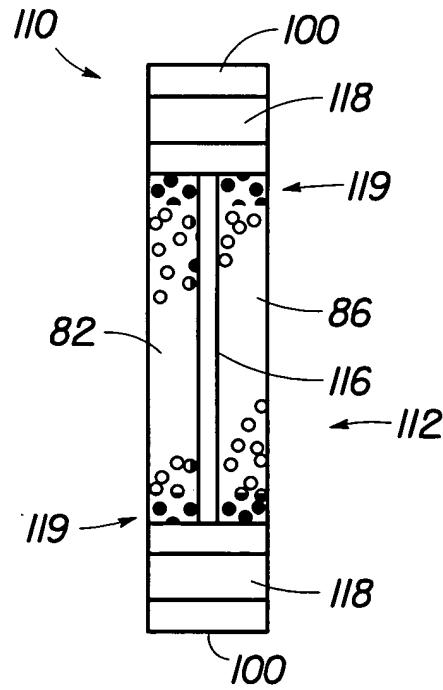


FIG. 14B

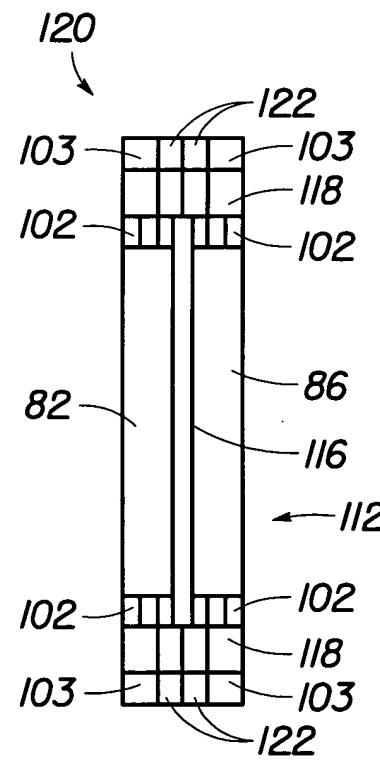


FIG. 15

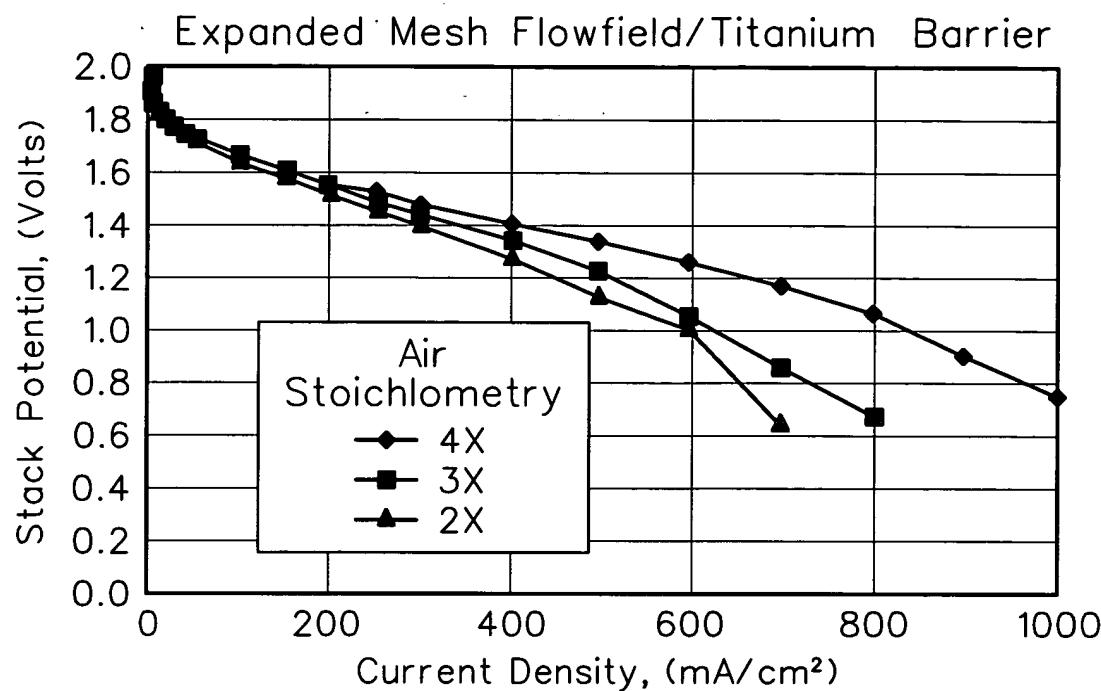
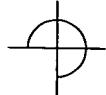


FIG. 10

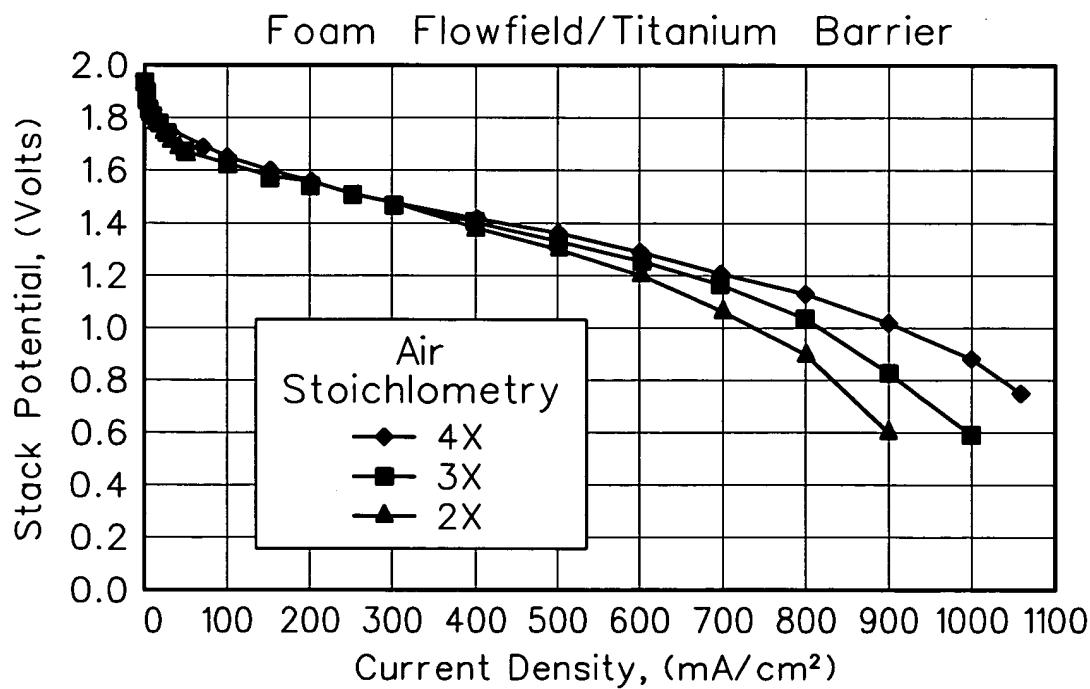
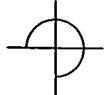
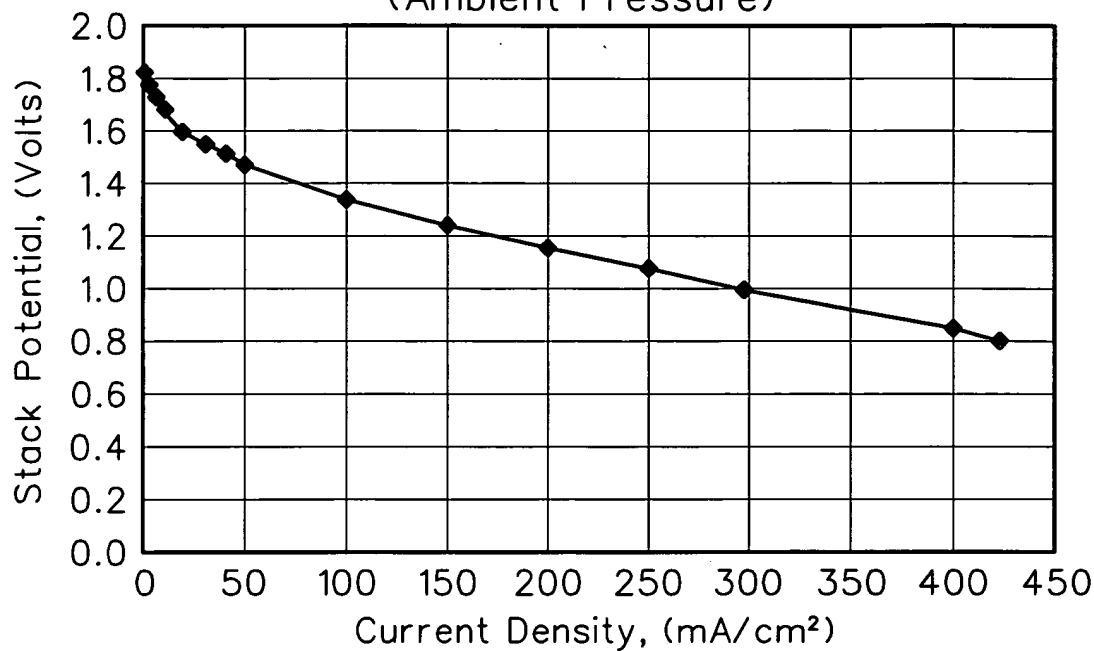


FIG. 11



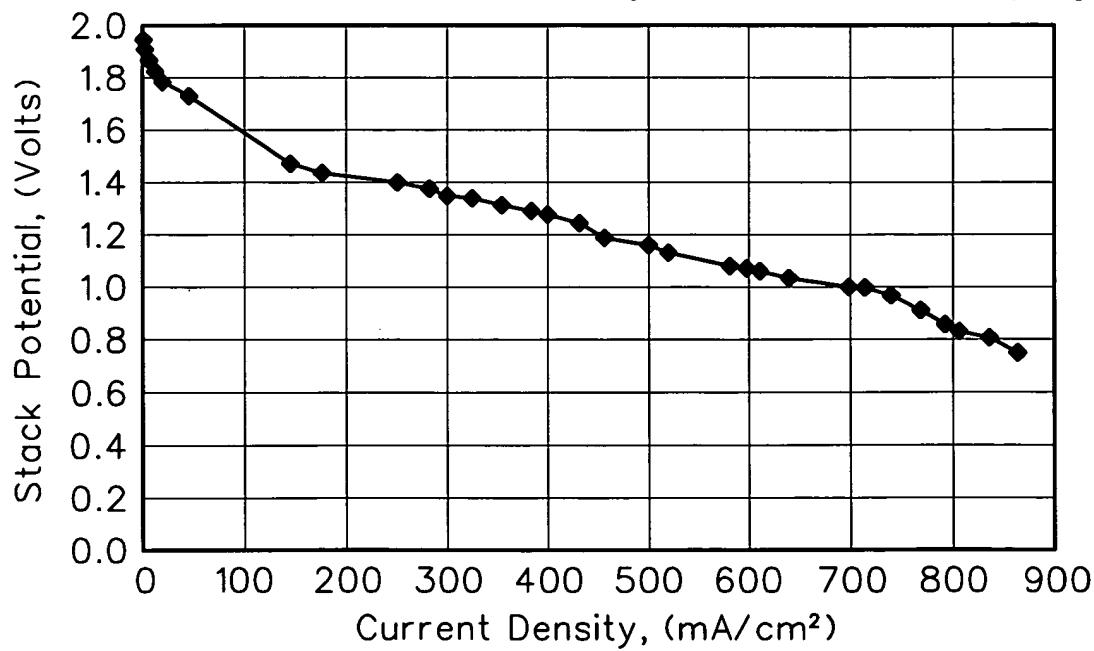


Foam Flowfields with Polymer Barrier  
 (Ambient Pressure)



**FIG. 12**

Foam Flowfields with Polymer Barrier (30 psig)



**FIG. 13**



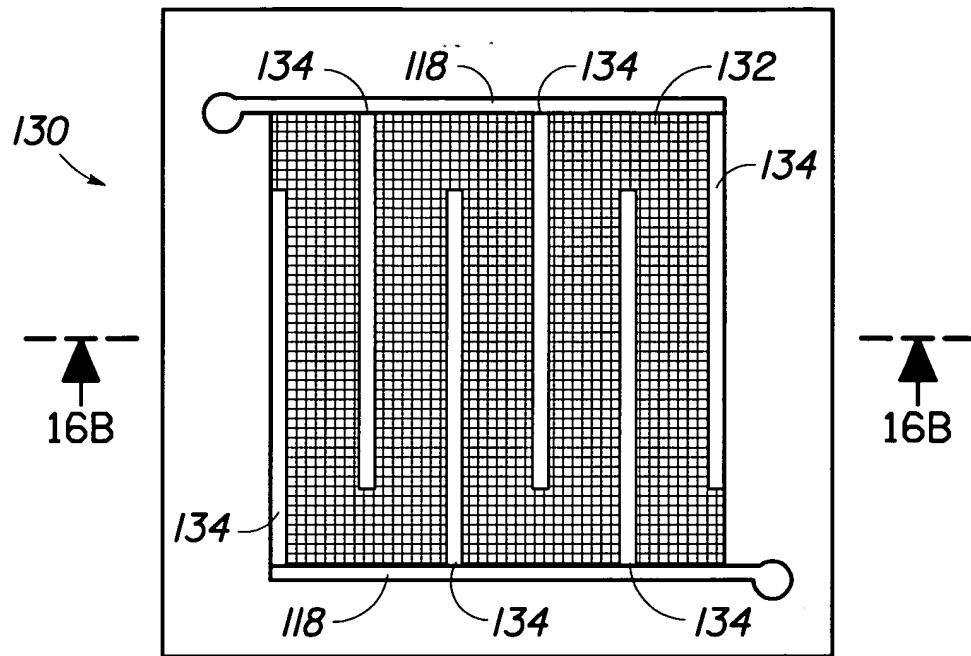
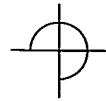
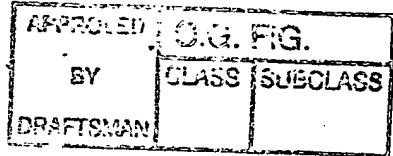


FIG. 16A

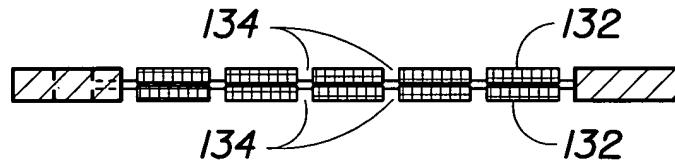


FIG. 16B

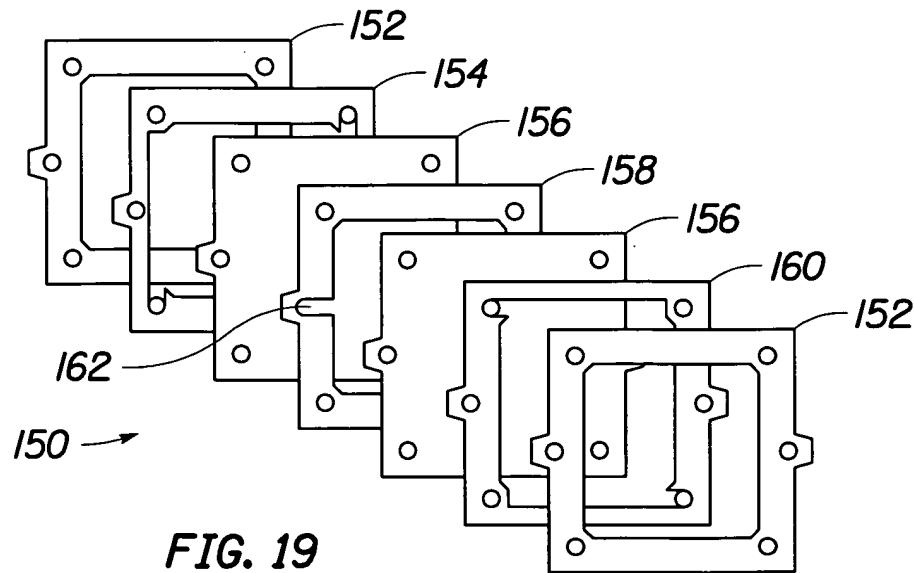
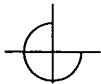
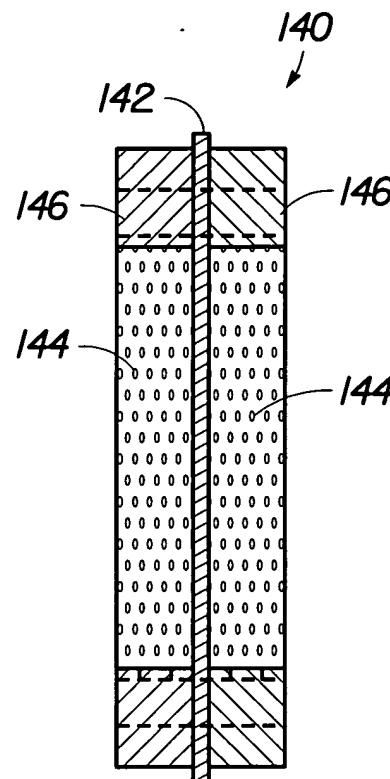
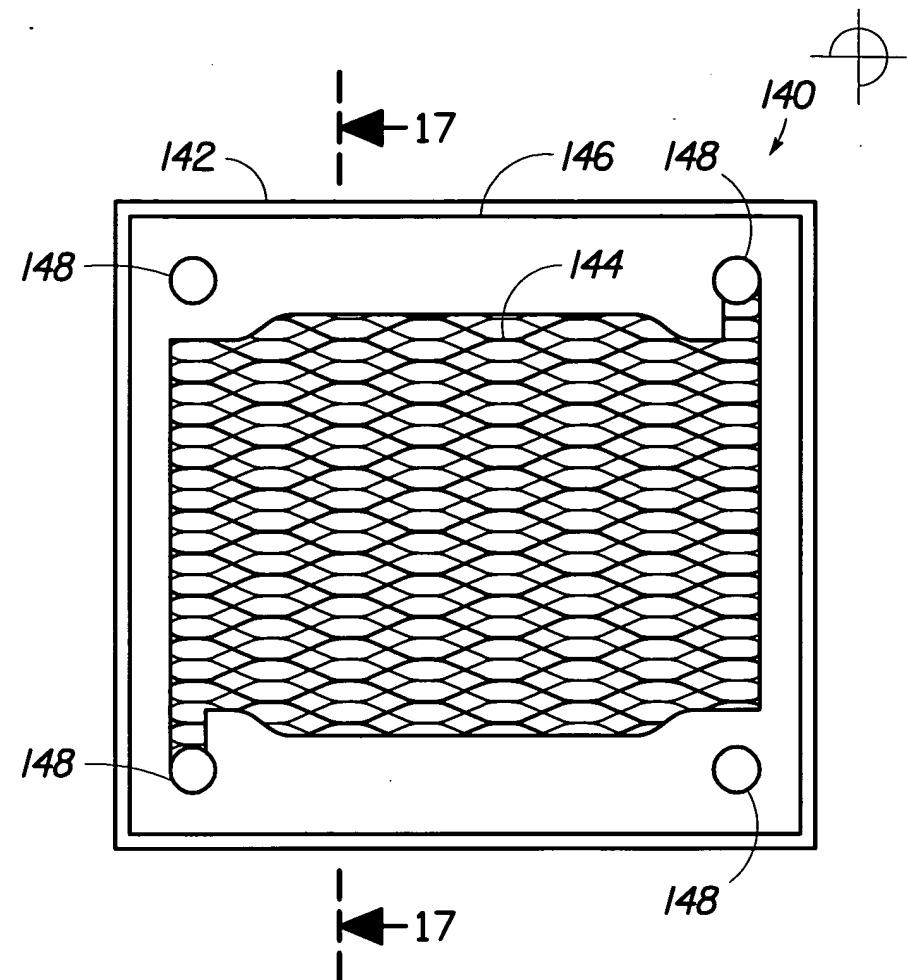


FIG. 19



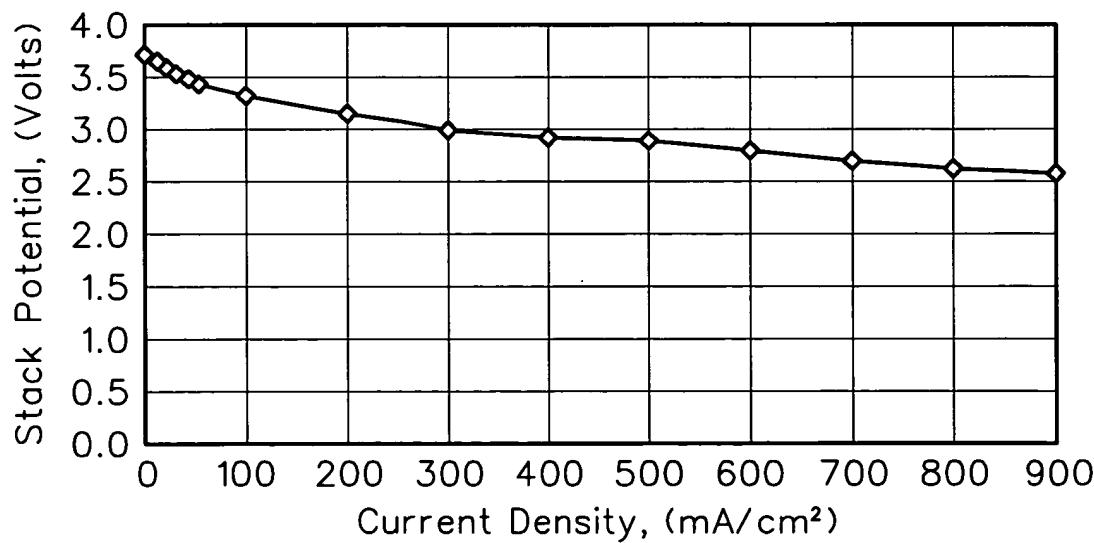


**FIG. 17**



**FIG. 18**

### Four Cell Fuel Stack



**FIG. 20**